



1/14

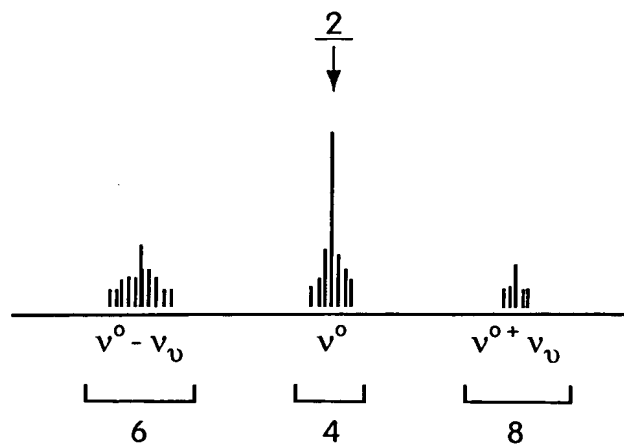


Fig. 1

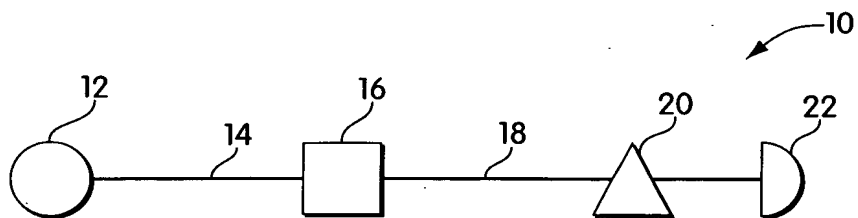


Fig. 2

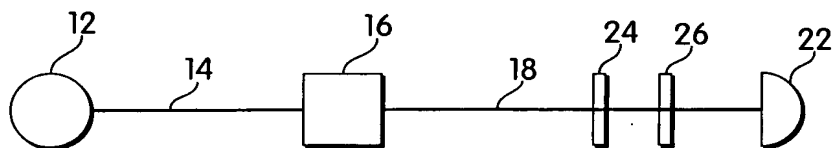


Fig. 3

2/14

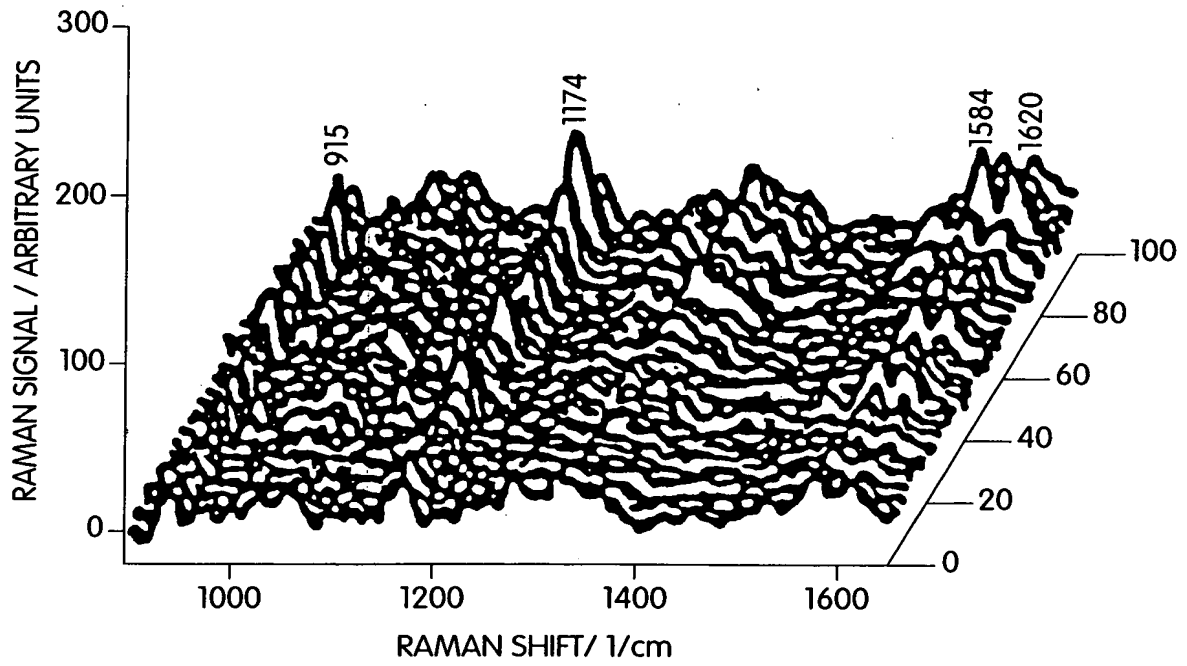


Fig. 4

3/14

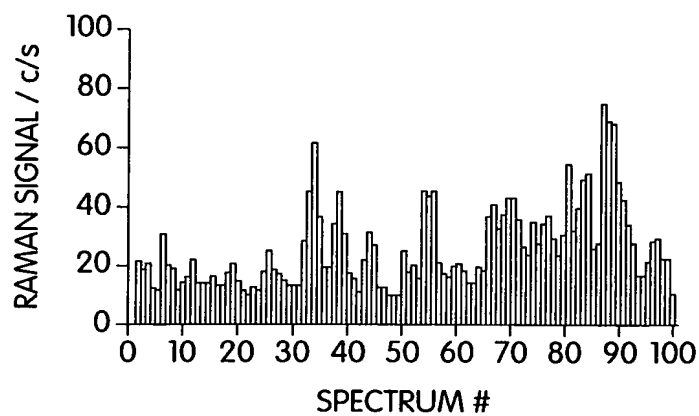


Fig. 5A

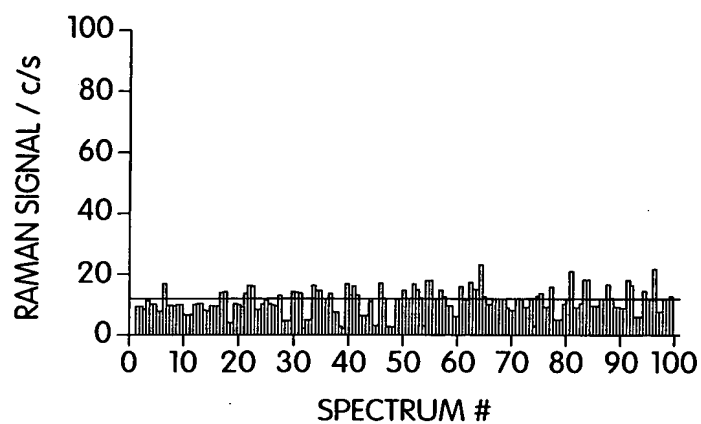


Fig. 5B

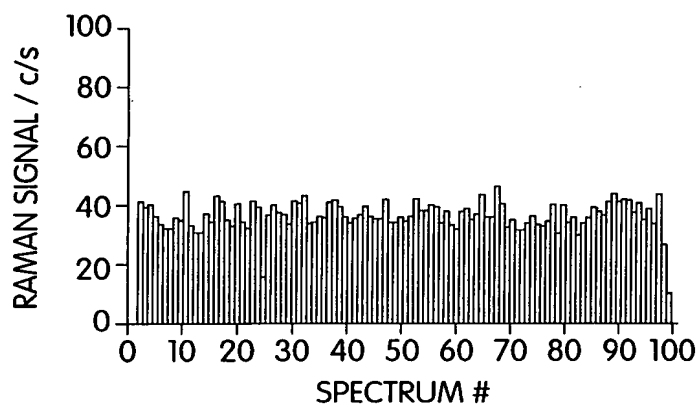


Fig. 5C

4/14

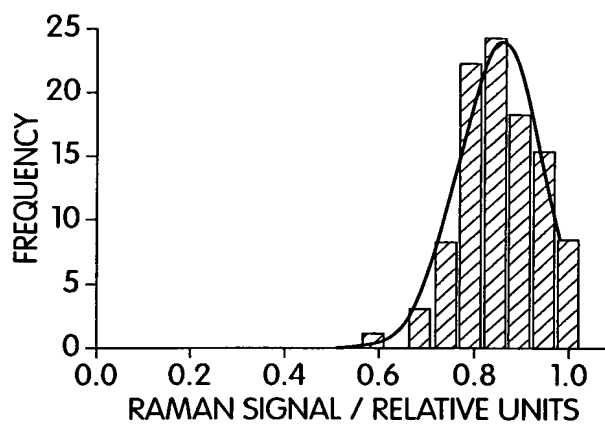


Fig. 6A

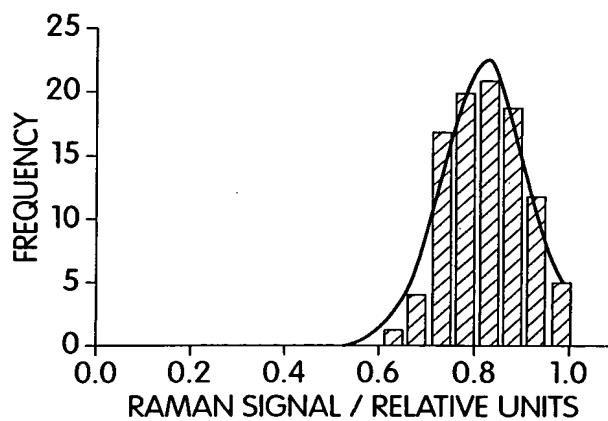


Fig. 6B

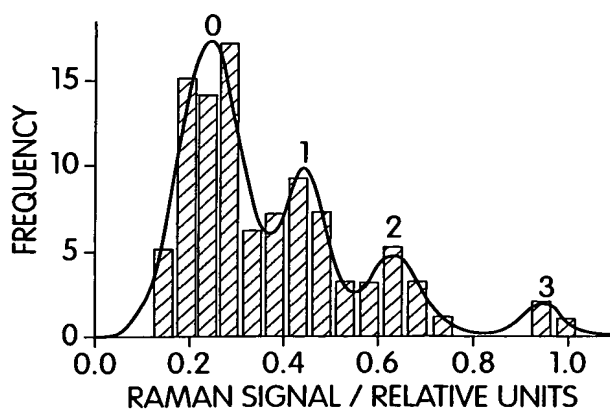


Fig. 6C

5/14

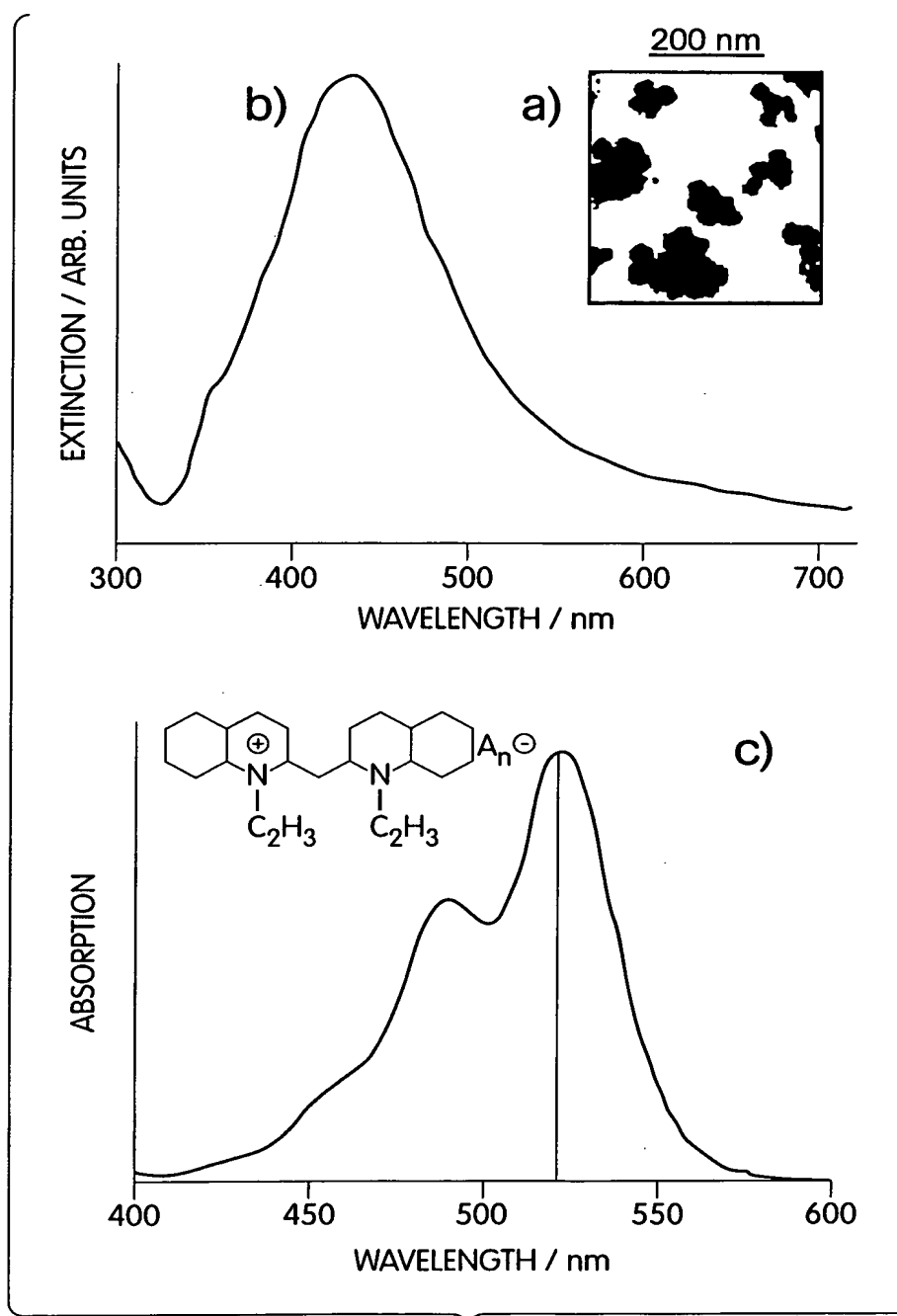


Fig. 7

6/14

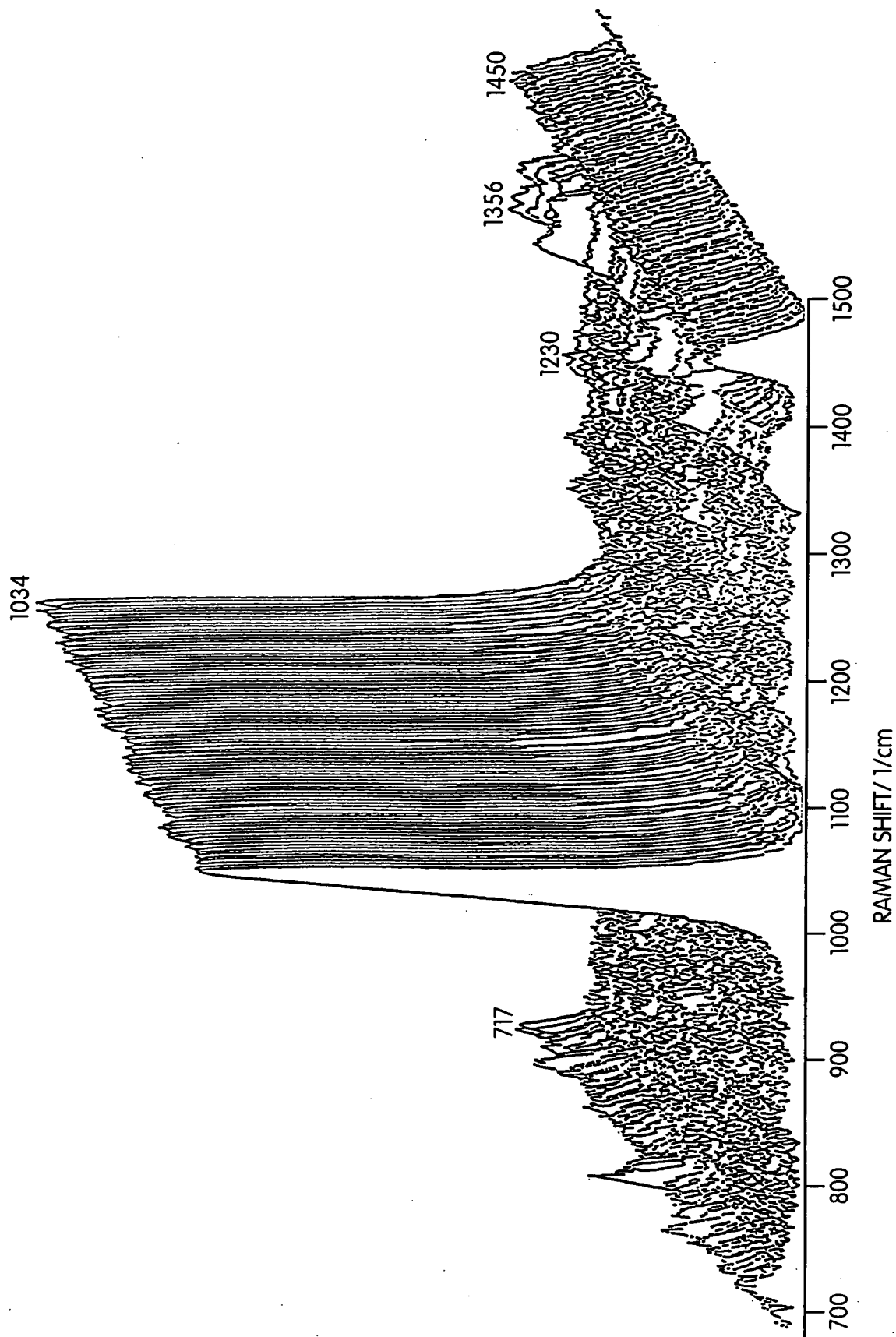


Fig. 8

7/14

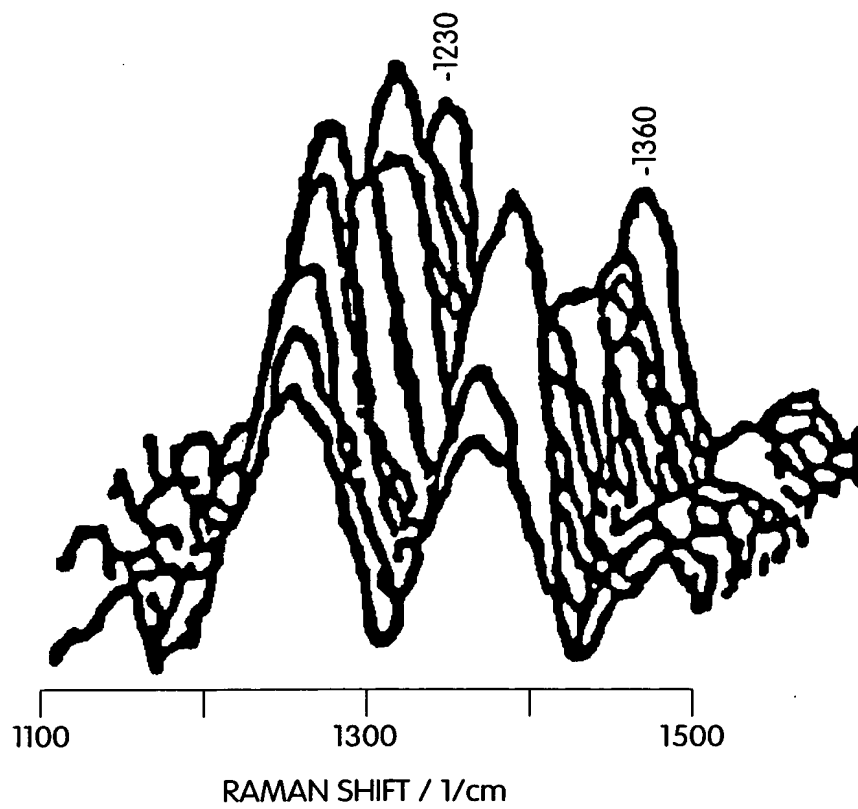


Fig. 9

8/14

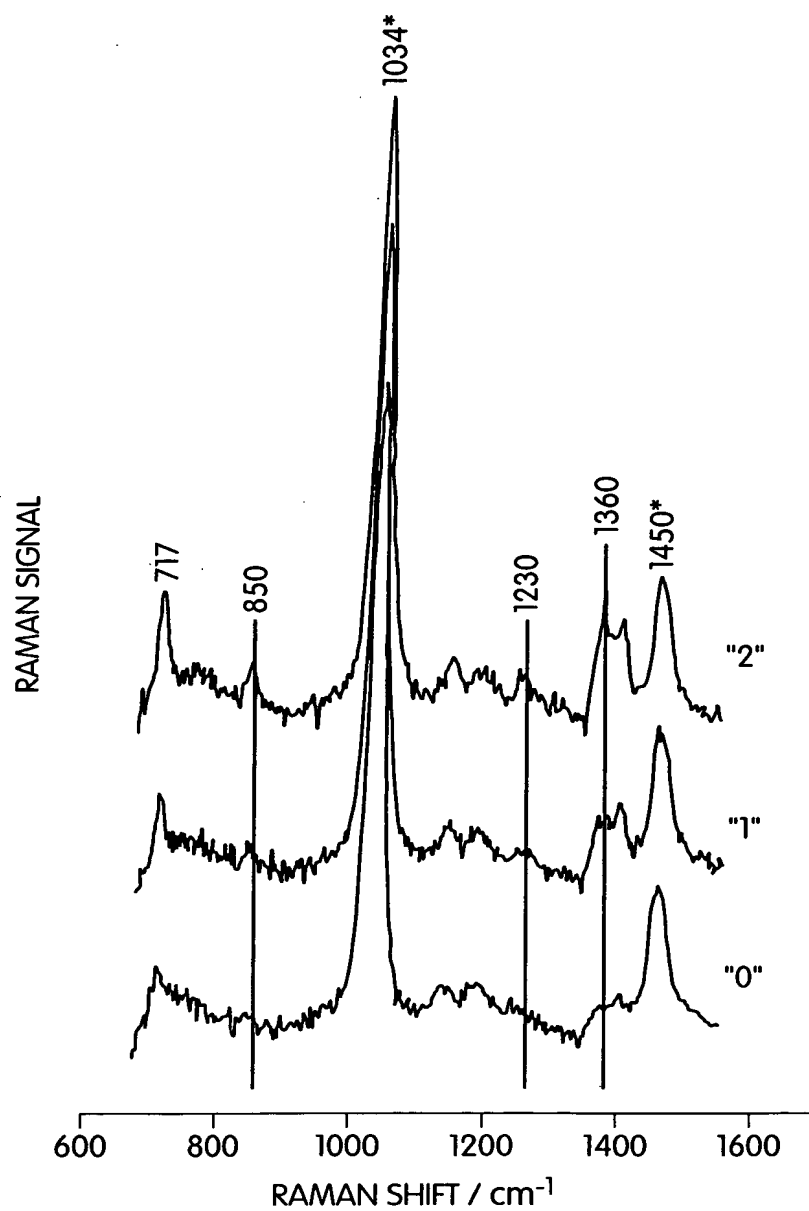


Fig. 10



9/14

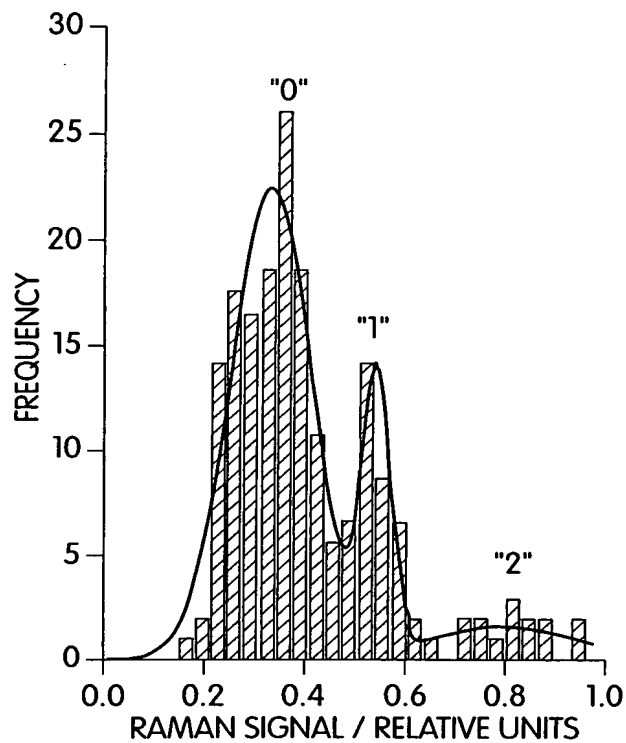


Fig. 11A

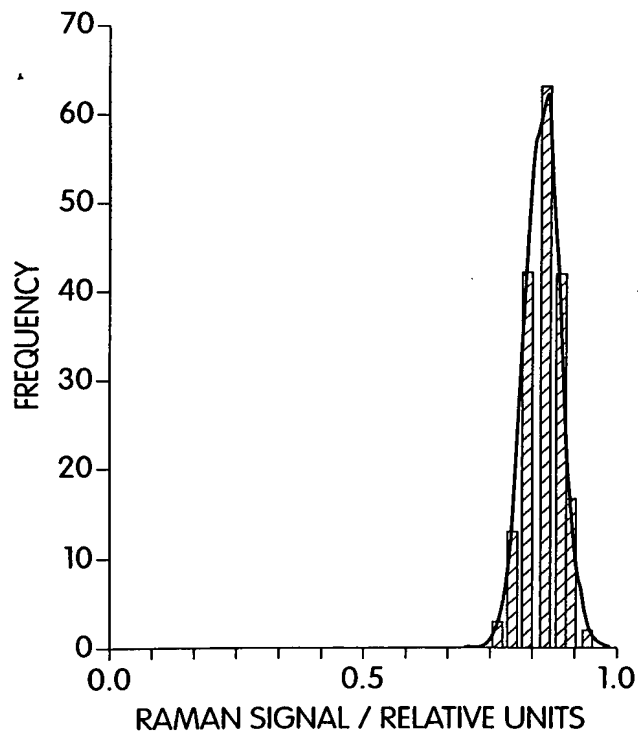


Fig. 11B

10/14

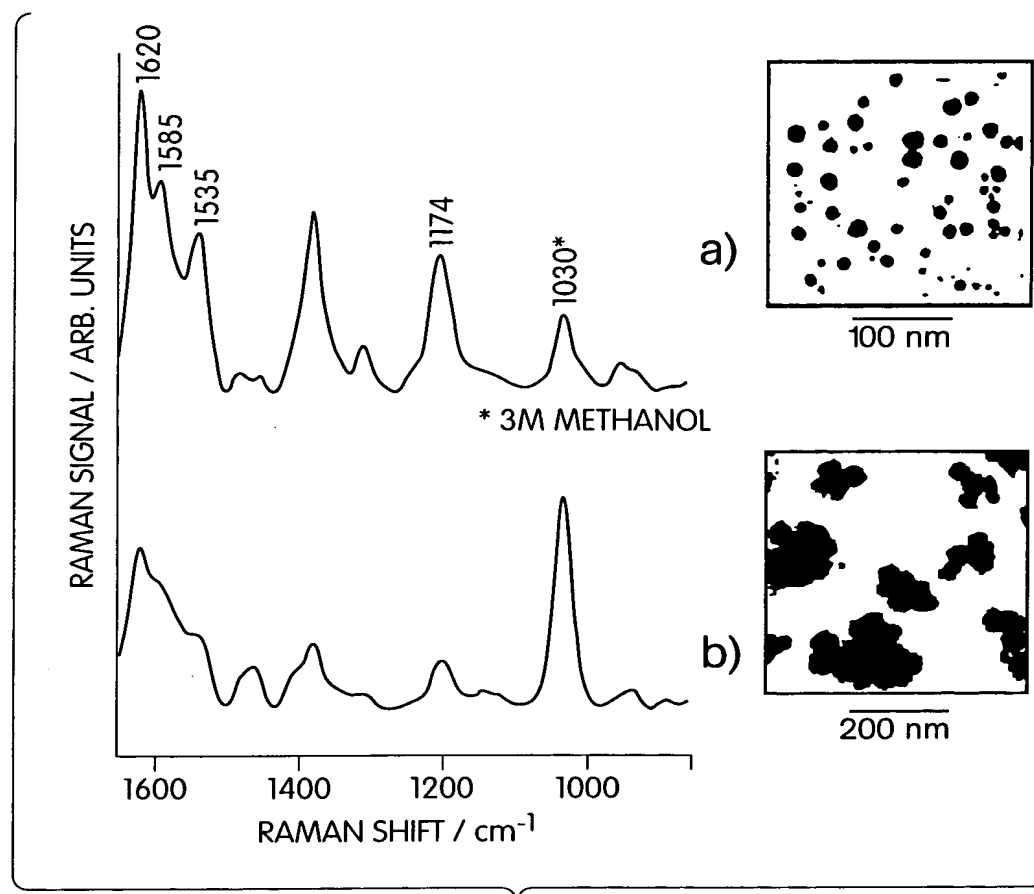
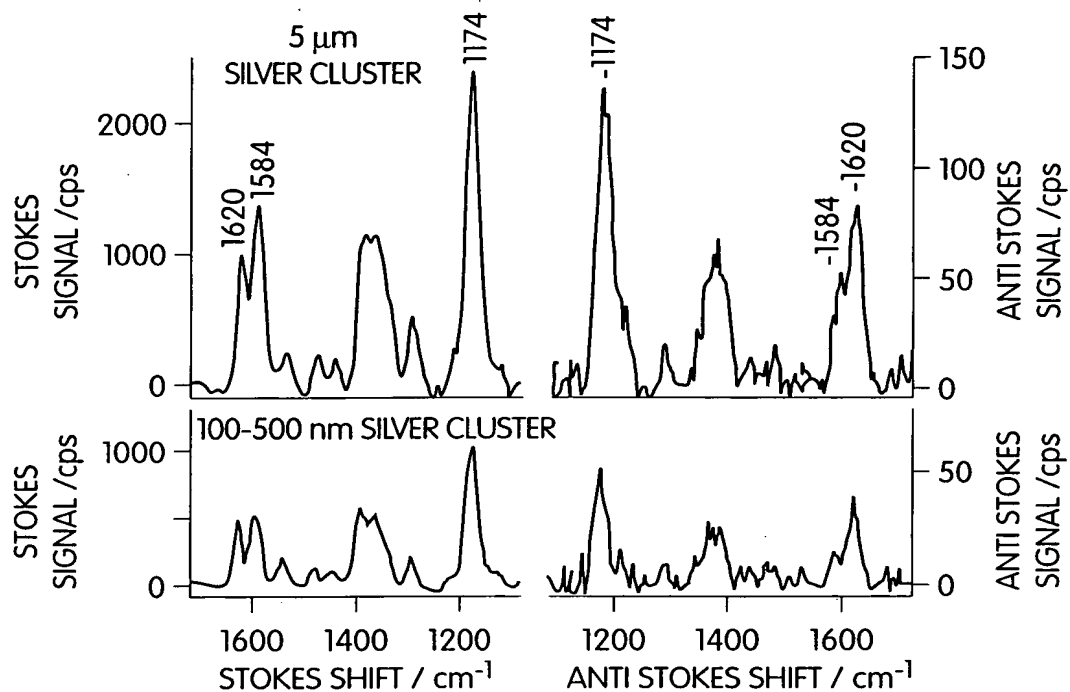


Fig. 12

11/14



Crystal Violet Stokes and  
anti-Stokes signals at  $1174 \text{ cm}^{-1}$

Anti-Stokes [cps]	Stokes [cps]	Ratio	Location
37	780	$4.8\text{E-}02$	a
53	1100	$4.8\text{E-}02$	b
25	545	$5.1\text{E-}02$	c
132	2550	$5.2\text{E-}02$	d
50	1000	$5.0\text{E-}02$	e
51	1055	$4.8\text{E-}02$	f

Toluene Stokes and anti-Stokes Signals at  $1211 \text{ cm}^{-1}$

10.4	1920	$5.4\text{X}10^{-03}$
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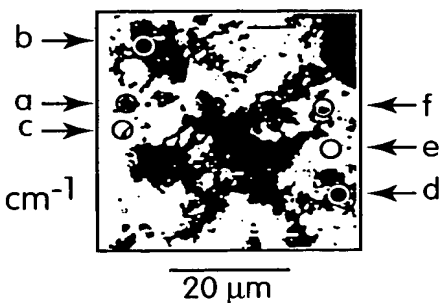


Fig. 13

12/14

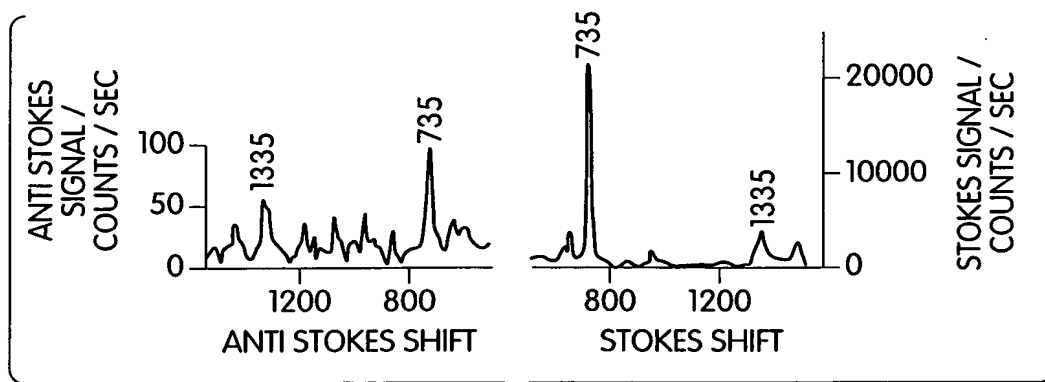


Fig. 14A

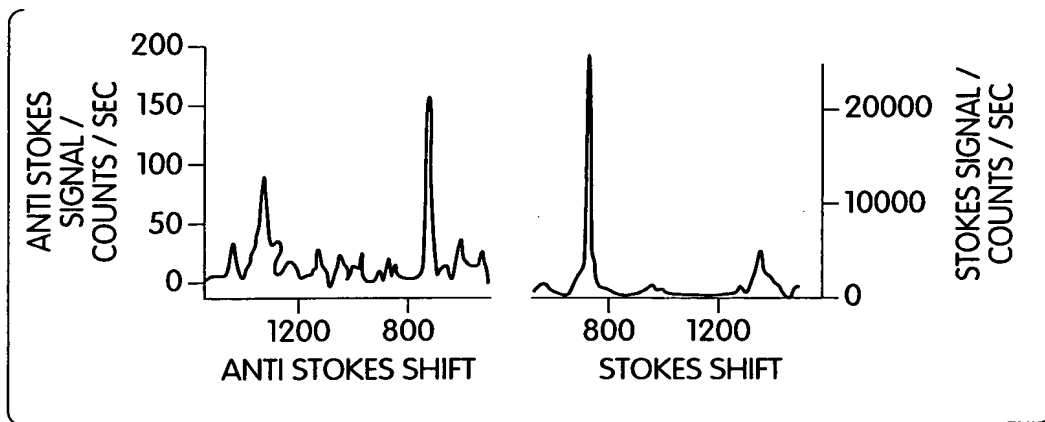


Fig. 14B

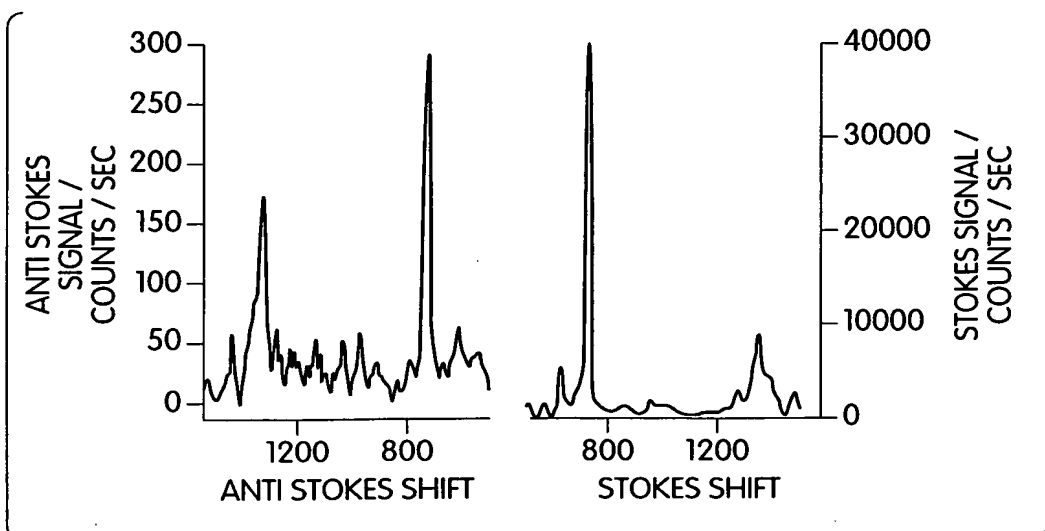


Fig. 14C

13/14

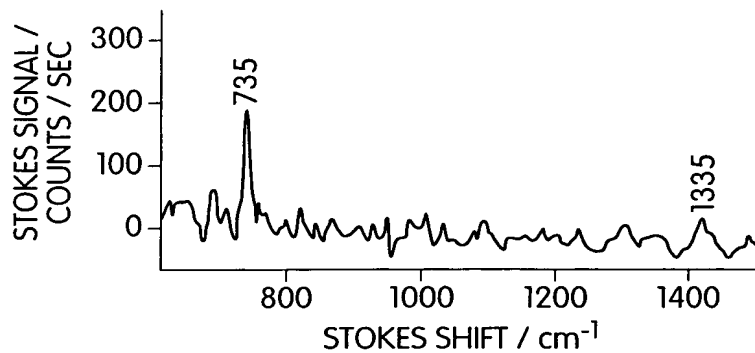


Fig. 15A

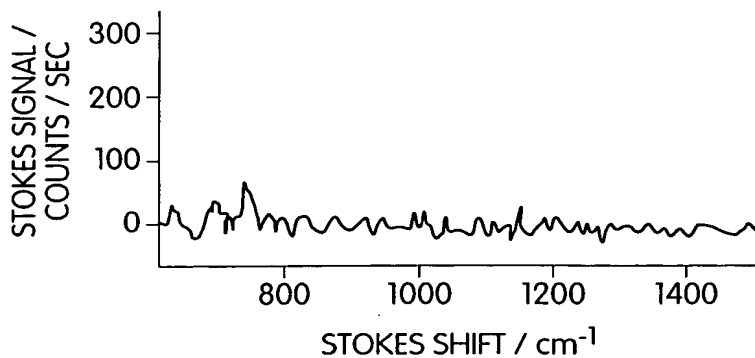


Fig. 15B

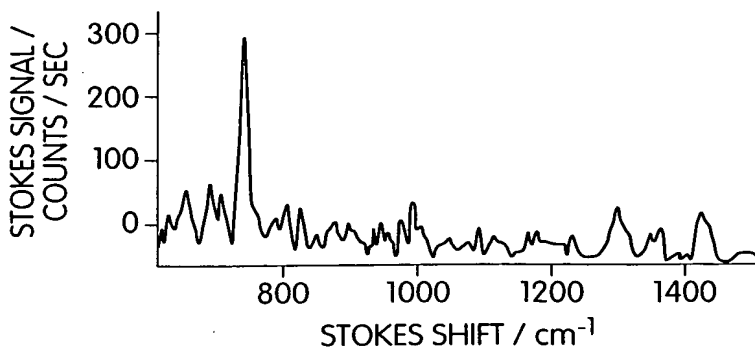


Fig. 15C

14/14

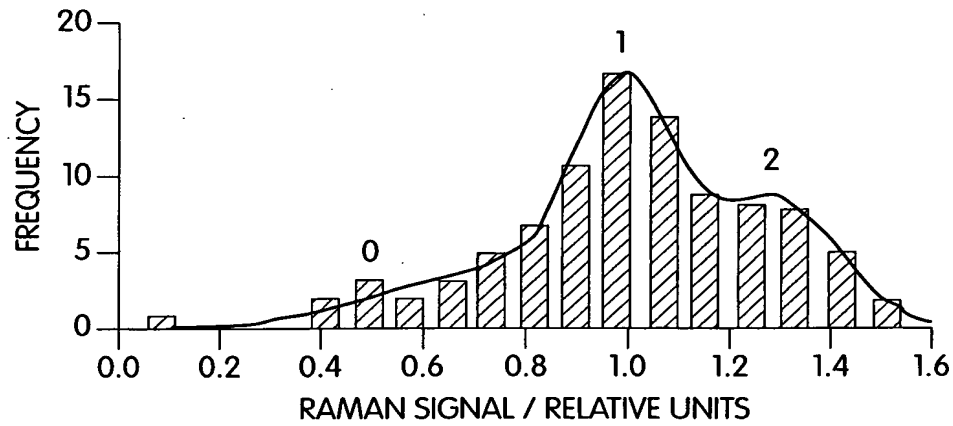


Fig. 16A

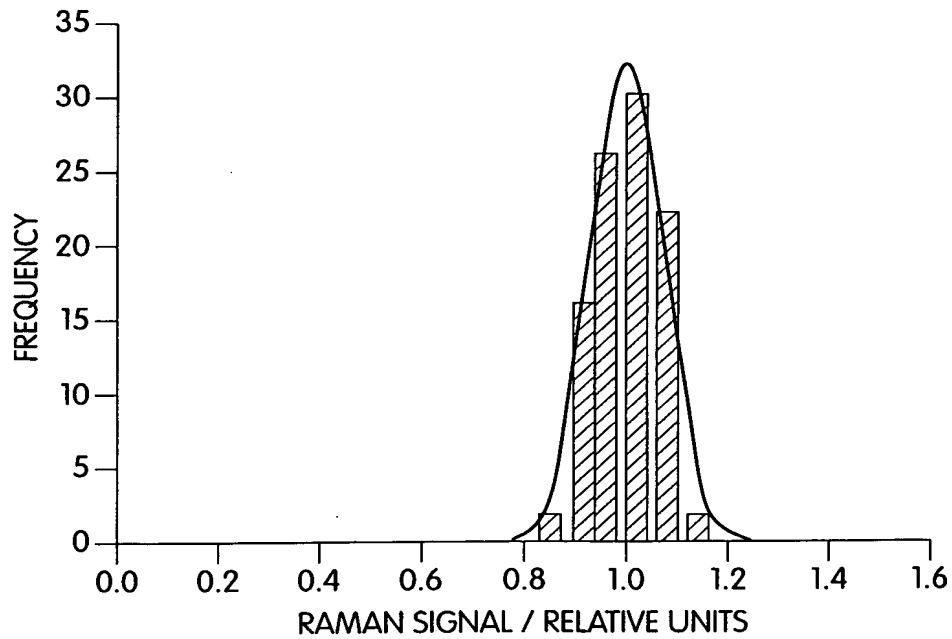


Fig. 16B